

The traffic data is received from a monitoring point
 before the traffic enters the network
 and the traffic is profiled
 and the traffic is segmented
 into a queue

FIG 1B

Total Traffic (bits)



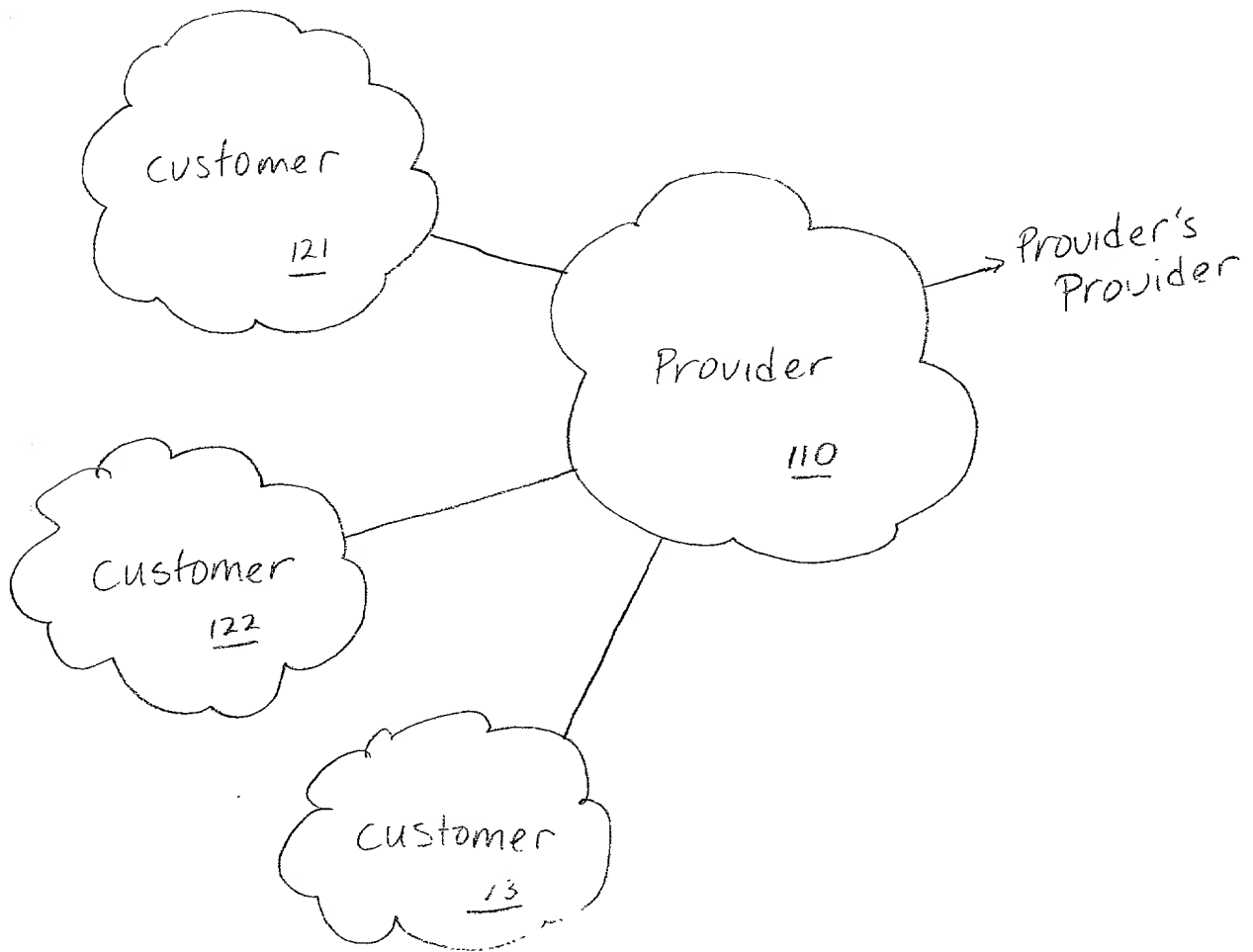
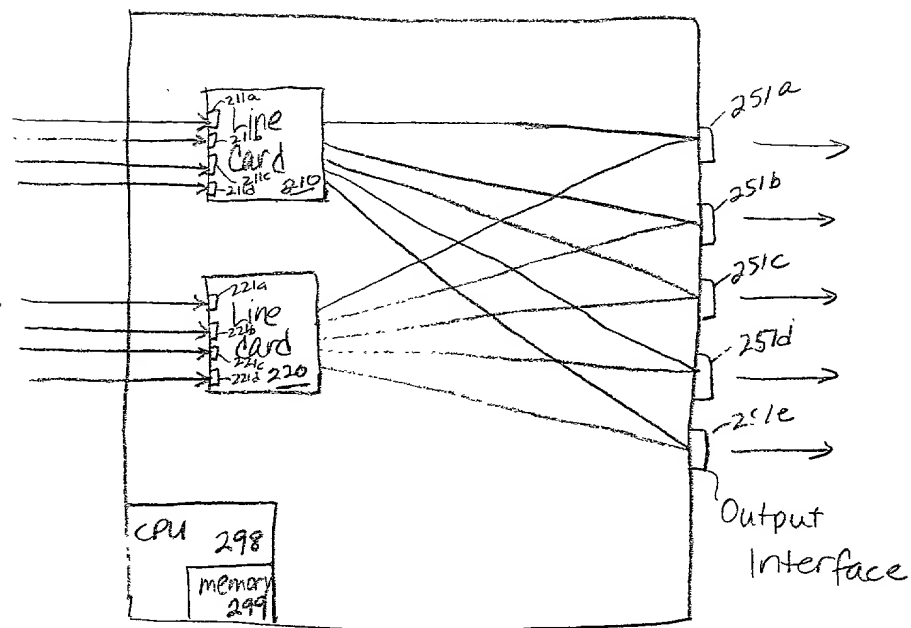


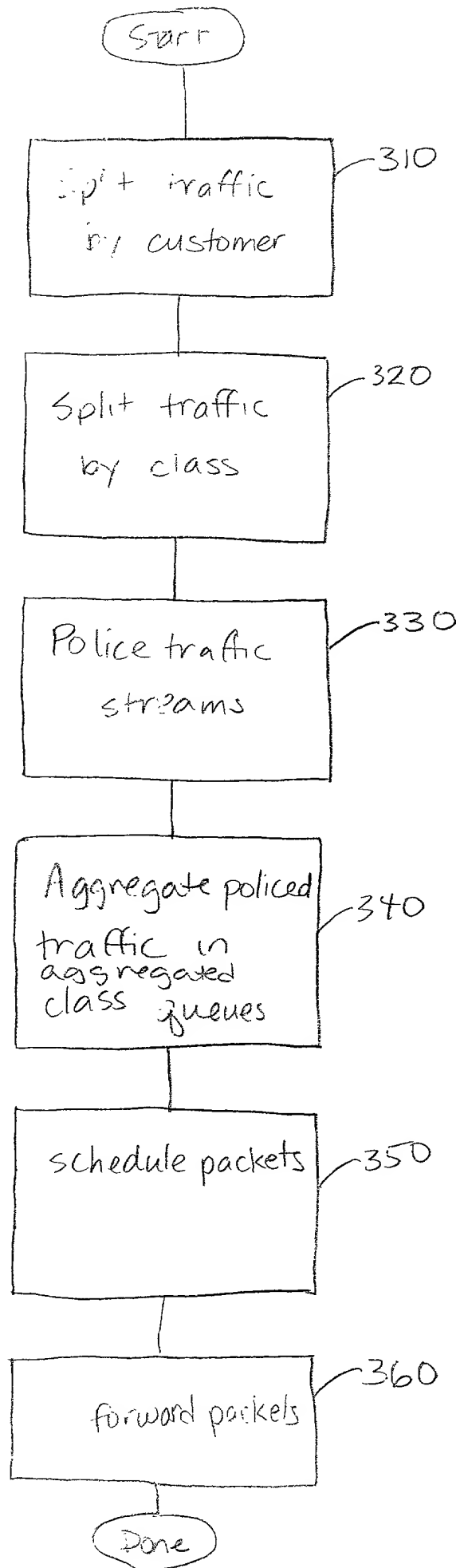
Fig 3

Simplified Edge Router



200 ↗

FIG. 4



Handling of
Traffic at an
Edge Router

FIG. 5

Class 0 / 2. 1000 1000 1000 1000

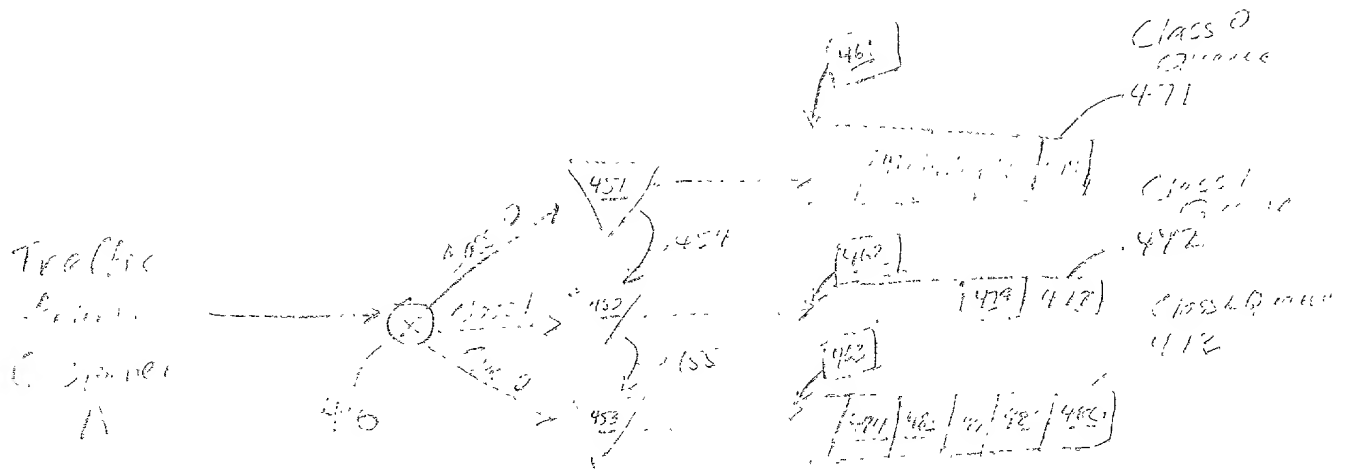
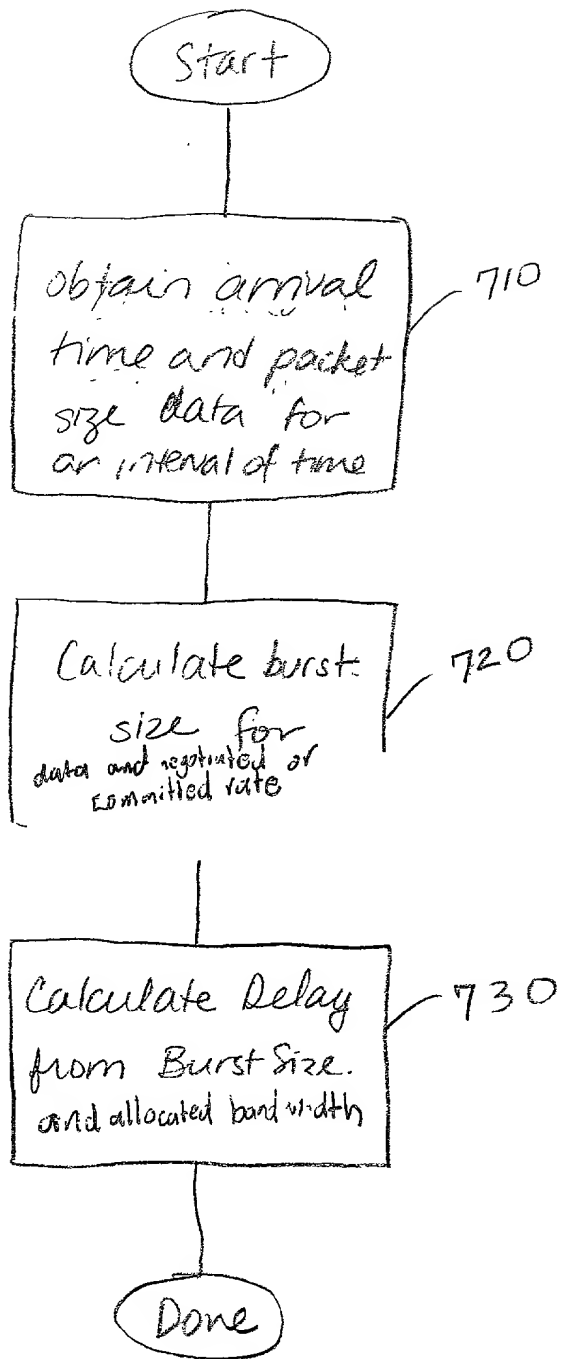


FIG 6



Estimating
Worst Case
Delay at a Node

FIG 7

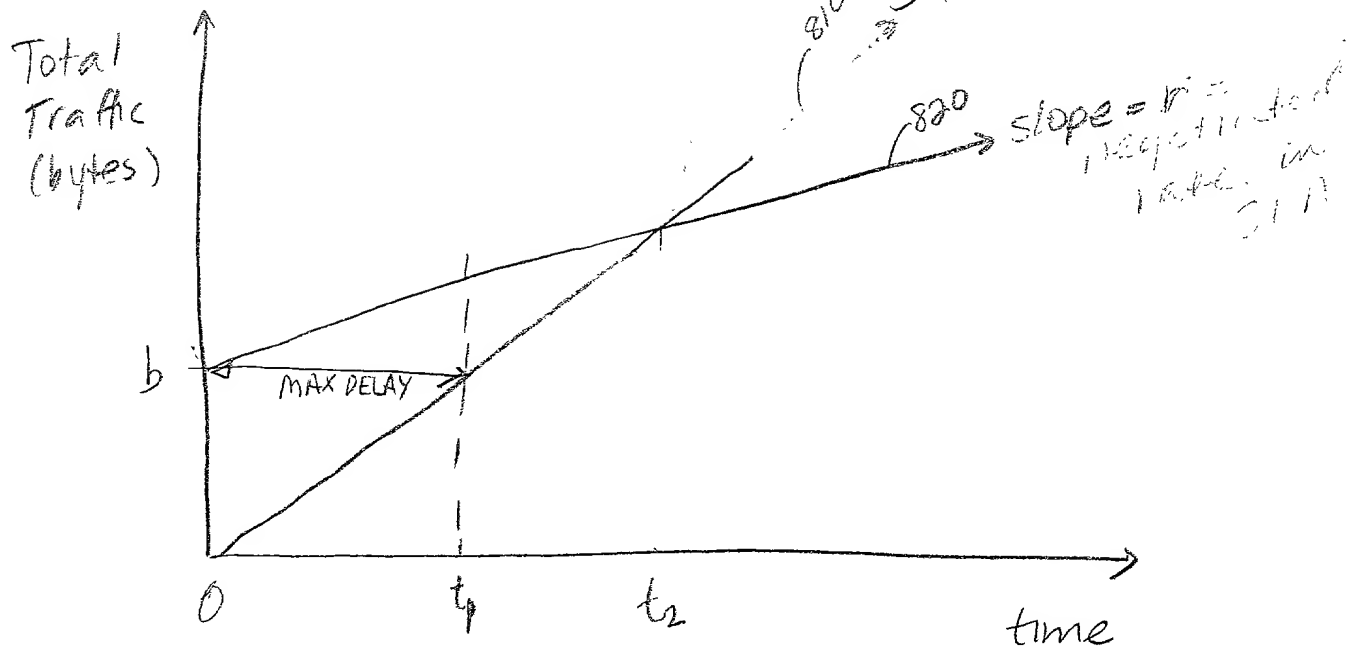


FIG. 8

Monitoring
Error

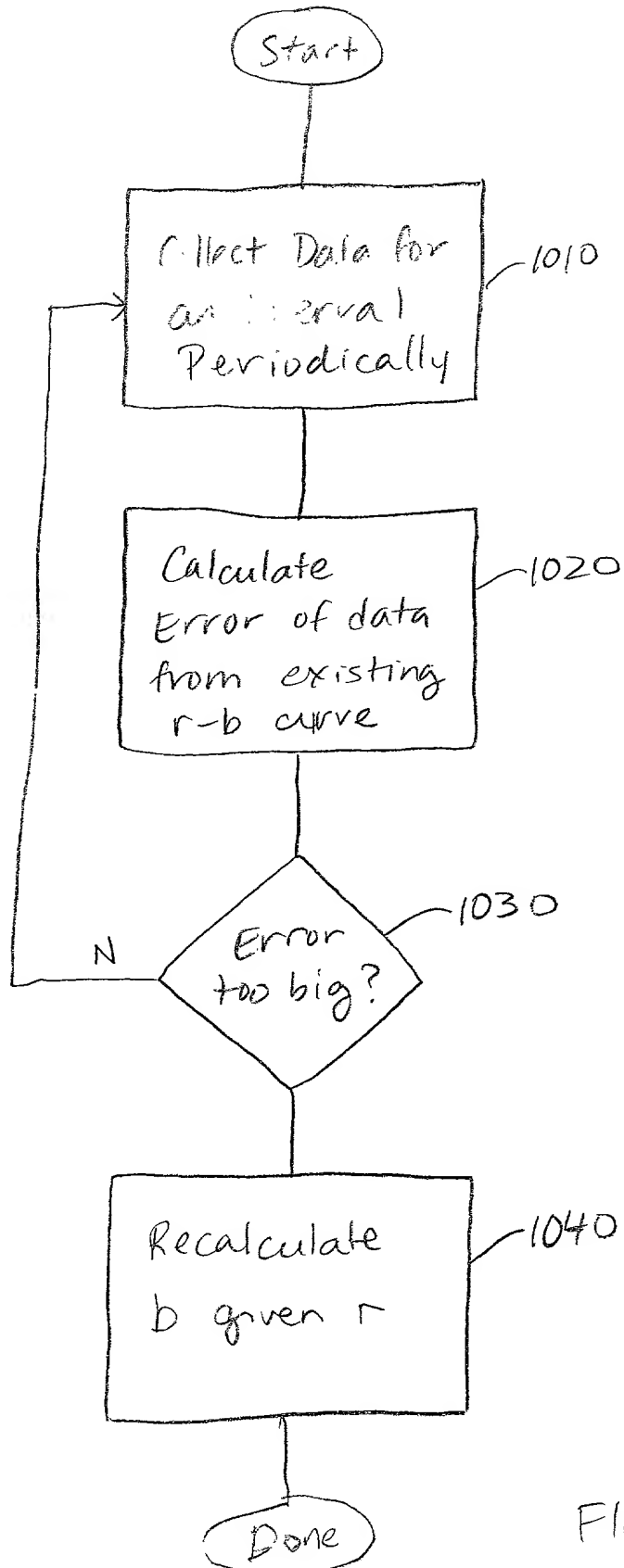


FIG. 9.

Estimating Delay Across the Network

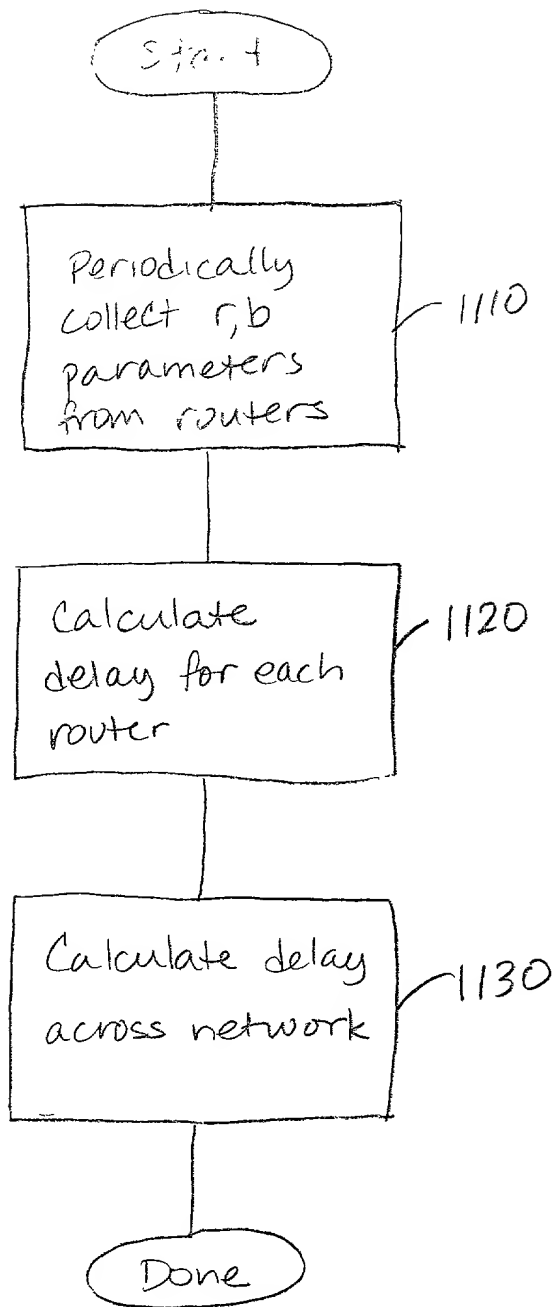


FIG. 10

Calculate $\frac{14000}{100000}$
 = 0.14
 = 14%

Start

Calculate b
 for given a
 and
 applied rate
 for a given class

100.0

Calculate b ,
 assuming different
 allocation of link
 bandwidth for
 the class
 or different allocated bw

103.0

End

116.11

116.11